

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/854,731

DATE: 05/29/2001

TIME: 11:42:39

Input Set : A:\BB-1171 DIV Seq List.txt

Output Set: C:\CRF3\05292001\I854731.raw

3 <110> APPLICANT: Allen, Steve
 4 Lee, Jian Ming
 6 <120> TITLE OF INVENTION: Plant Protein Kinases
 8 <130> FILE REFERENCE: BB-1171
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/854,731
 C--> 11 <141> CURRENT FILING DATE: 2001-05-14
 13 <150> PRIOR APPLICATION NUMBER: 60/092,438
 W--> 14 <151> PRIOR FILING DATE: July 10, 1998
 16 <160> NUMBER OF SEQ ID NOS: 23
 18 <170> SOFTWARE: Microsoft Office 97

Does Not Comply
 Corrected Diskette Needed
 p. 2

ERRORED SEQUENCES

1596 <210> SEQ ID NO: 23
 1597 <211> LENGTH: 407
 1598 <212> TYPE: PRT
 1599 <213> ORGANISM: Arabidopsis thaliana
 1601 <400> SEQUENCE: 23
 1602 Met Ala Ser Leu Pro Leu Gly Pro Gln Pro His Ala Leu Ala Pro Pro
 1603 1 5 10 15
 1605 Leu Gln Leu His Asp Gly Asp Ala Leu Lys Arg Arg Pro Glu Leu Asp
 1606 20 25 30
 1608 Ser Asp Lys Glu Met Ser Ala Ala Val Ile Glu Gly Asn Asp Ala Val
 1609 35 40 45
 1611 Thr Gly His Ile Ile Ser Thr Thr Ile Gly Gly Lys Asn Gly Glu Pro
 1612 50 55 60
 1614 Lys Gln Thr Ile Ser Tyr Met Ala Glu Arg Val Val Gly Thr Gly Ser
 1615 65 70 75 80
 1617 Phe Gly Ile Val Phe Gln Ala Lys Cys Leu Glu Thr Gly Glu Ser Val
 1618 85 90 95
 1620 Ala Ile Lys Lys Val Leu Gln Asp Arg Arg Tyr Lys Asn Arg Glu Leu
 1621 100 105 110
 1623 Gln Leu Met Arg Pro Met Asp His Pro Asn Val Ile Ser Leu Lys His
 1624 115 120 125
 1626 Cys Phe Phe Ser Thr Thr Ser Arg Asp Glu Leu Phe Leu Asn Leu Val
 1627 130 135 140
 1629 Met Glu Tyr Val Pro Glu Thr Leu Tyr Arg Val Leu Arg His Tyr Thr
 1630 145 150 155 160
 1632 Ser Ser Asn Gln Arg Met Pro Ile Phe Tyr Val Lys Leu Tyr Thr Tyr
 1633 165 170 175
 1635 Gln Ile Phe Arg Gly Leu Ala Tyr Ile His Thr Val Pro Gly Val Cys
 1636 180 185 190
 1638 His Arg Asp Val Lys Pro Gln Asn Leu Leu Val Asp Pro Leu Thr His
 1639 195 200 205
 1641 Gln Val Lys Leu Cys Asp Phe Gly Ser Ala Lys Val Leu Val Lys Gly
 1642 210 215 220

RAW SEQUENCE LISTING

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Input Set : A:\BB-1171 DIV Seq List.txt


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```

1644 Glu Pro Asn Ile Ser Tyr Ile Cys Ser Arg Tyr Tyr Arg Ala Pro Glu
1645 225                230                235                240
1647 Leu Ile Phe Gly Ala Thr Glu Tyr Thr Ala Ser Ile Asp Ile Trp Ser
1648                245                250                255
1650 Ala Gly Cys Val Leu Ala Glu Leu Leu Leu Gly Gln Pro Leu Phe Pro
1651                260                265                270
1653 Gly Glu Asn Ser Val Asp Gln Leu Val Glu Ile Ile Lys Val Leu Gly
1654                275                280                285
1656 Thr Pro Thr Arg Glu Glu Ile Arg Cys Met Asn Pro Asn Tyr Thr Asp
1657 290                295                300
1659 Phe Arg Phe Pro Gln Ile Lys Ala His Pro Trp His Lys Val Phe His
1660 305                310                315                320
1662 Lys Arg Met Pro Pro Glu Ala Ile Asp Leu Ala Ser Arg Leu Leu Gln
1663                325                330                335
1665 Tyr Ser Pro Ser Leu Arg Cys Thr Ala Leu Glu Ala Cys Ala His Pro
1666                340                345                350
1668 Phe Phe Asn Glu Leu Arg Glu Pro Asn Ala Arg Leu Pro Asn Gly Arg
1669                355                360                365
1671 Pro Leu Pro Pro Leu Phe Asn Phe Lys Gln Glu Leu Gly Gly Ala Ser
1672 370                375                380
1674 Met Glu Leu Ile Asn Arg Leu Ile Pro Glu His Val Arg Arg Gln Met
1675 385                390                395                400
1677 Ser Thr Gly Leu Gln Asn Ser
1678                405

```

E--> 1681 6


Delete numeral at the end of
the file. It is causing an invalid
amino acid count for sequence
23.

VERIFICATION SUMMARY

DATE: 05/29/2001

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TIME: 11:42:41

Input Set : A:\BB-1171 DIV Seq List.txt

Output Set: C:\CRF3\05292001\I854731.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:14 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:60 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:61 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:83 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:311 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:312 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:313 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:314 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:315 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:320 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:356 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:359 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6
L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:362 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6
L:362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:365 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6
L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:371 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6
L:371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:404 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:435 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:438 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:629 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11
L:629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:632 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11
L:632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:634 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11
L:634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:635 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11
L:635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:637 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11
L:637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:690 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12

VERIFICATION SUMMARY

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L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:696 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12
L:696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:699 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12
L:699 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:702 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12
L:702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:708 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12
L:708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:765 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:766 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:767 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:767 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:768 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:768 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:852 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:14
L:852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:887 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15
L:887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:1681 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:23